

Applicants : Robert L. Fine et al.
U.S. Serial No.: 10/587,606
Filed : November 13, 2006
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Amendments to the Claims:

Pursuant to 37 C.F.R. §1.121(c), this listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A polypeptide comprising consecutive amino acids
AQAGKEPGGSRAHSSHLKSKKGQSTSRHKKLMFKTEGPDSD{(glycine)}DSDPG
ETKFMLKKHRSTSQGKKSKLHSSHARSGGPEKGAQA (SEQ ID NO:3 ~~SEQ ID NO:3~~), wherein the glycine may be present or absent.
2. (Cancelled)
3. (Original) The polypeptide of claim 1, further comprising a six repeat histidine tag attached to the N-terminus of the polypeptide.
4. (Original) The polypeptide of claim 1, further comprising a membrane carrier peptide attached to the C-terminus of the polypeptide.
5. (Currently Amended) The polypeptide of claim 4, wherein the membrane carrier peptide comprises amino acids
KKWKMRNQNQFWVKVQRG (SEQ ID NO:8 ~~SEQ ID NO:8~~).
6. (Original) The polypeptide of claim 1, further comprising:
 - a. a six repeat histidine tag attached to the N-

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terminus of the polypeptide; and

- b. a membrane carrier peptide attached to the C-terminus of the polypeptide.

7. (Cancelled)

8. (Cancelled)

9. (Currently Amended) The polypeptide of claim 1, comprising consecutive amino acids AQAGKEPGGSRAHSSHLKSKKGQSTSRHKKLMFKTEGPDSD-(glycine)-DSDPG ETKFMLKKHRSTSQGKKSKLHSSHARSGGPEKGAQA-(glycine)-AQAGKEPGGS RAHSSHLKSKKGQSTSRHKKLMFKTEGPDSD-(glycine)-DSDPGETKFMLKKHR STSQGKKSKLHSSHARSGGPEKGAQA (SEQ ID NO:5 ~~SEQ ID NO. 5~~), wherein each glycine may be present or absent.

10. (Original) The polypeptide of claim 9, further comprising a six repeat histidine tag attached to the N-terminus of the polypeptide.

11. (Original) The polypeptide of claim 9, further comprising a membrane carrier peptide attached to the C-terminus of the polypeptide.

12. (Currently Amended) The polypeptide of claim 11, wherein the membrane carrier peptide comprises amino acids having the sequence KKWKMRRNQFWVKVQRG (SEQ ID NO:8 ~~SEQ ID NO. 8~~).

13. (Original) The polypeptide of claim 9, further comprising:

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- a. a six repeat histidine tag attached to the N-terminus of the polypeptide; and
 - b. a membrane carrier peptide attached to the C-terminus of the polypeptide.
14. (Currently Amended) The polypeptide of claim 1, comprising consecutive amino acids DSDPGETKFMLKKHRSTSQGKKSKLHSSHARSGGPEKGAQA+(glycine)+AQAGKEPGGSRAHSSHLKSKKGQSTSRHKKLMFKTEGPDSD+(glycine)+DSDPGETKFM LKKHRSTSQGKKSKLHSSHARSGGPEKGAQA+(glycine)+AQAGKEPGGSRAHSS HLKSKKGQSTSRHKKLMFKTEGPDSD (SEQ ID NO:6 ~~SEQ ID NO. 6~~), wherein each glycine may be present or absent.
15. (Original) The polypeptide of claim 14, further comprising a six repeat histidine tag attached to the N-terminus of the polypeptide.
16. (Original) The polypeptide of claim 14, further comprising a membrane carrier peptide attached to the C-terminus of the polypeptide.
17. (Currently Amended) The polypeptide of claim 16, wherein the membrane carrier peptide comprises amino acids KKWKMRNQNQFWVKVQRG (SEQ ID NO:8 ~~SEQ ID NO. 8~~).
18. (Original) The polypeptide of claim 14, further comprising:
- a. a six repeat histidine tag attached to the N-terminus of the polypeptide; and

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b. a membrane carrier peptide attached to the C-terminus of the polypeptide.

19-35. (Cancelled)

36. (Previously Presented) A pharmaceutical composition comprising the polypeptide of claim 1 and a pharmaceutically acceptable carrier for treating cancer.

37-42. (Cancelled)